## INTERNATIONAL SEARCH REPORT

Int: al Application No Pt., \_32004/051 945

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H01L23/498 H01L H01L23/31 H01L23/50 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 H01L Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to daim No. US 2002/153605 A1 (CHANG NAI-SHUNG) X 1,2,6-1024 October 2002 (2002-10-24) paragraphs '0006!, '0015!, '0027!; claim 3 - 55; figures 2,3 X WO 96/23320 A (INTEL CORPORATION) 1,2,6-101 August 1996 (1996-08-01) Y figures 1-3 and the corresponding 3 - 5description US 6 509 646 B1 (LIN WEI-FENG ET AL) 21 January 2003 (2003-01-21) the whole document Y US 2002/017399 A1 (CHANG HUEY-RU ET AL) 4,5 14 February 2002 (2002-02-14) paragraph '0064! -/--Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance Invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-ments, such combination being obvious to a person skilled "O" document referring to an oral disclosure, use, exhibition or other means in the art. document published prior to the International filing date but tater than the priority date claimed \*&\* document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 15 March 2005 23/03/2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Cortes Rosa, Joao

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